## **Amendments to the Claims**

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This listing of claims will replace all prior versions, and listings, of claims in the application:

1 1. (Original) A system for displaying a three-dimensional image of an organ 2 or structure inside the body, the system comprising: 3 a processor configured to be communicatively coupled to a probe, the 4 probe being configured to be located in or adjacent to the organ or structure inside the 5 body; 6 memory coupled to the processor and configured to store image data 7 pertaining to the organ or structure inside the body; and 8 a three-dimensional display coupled to the processor and configured to 9 simultaneously display the three-dimensional image and a representation of the probe. 1 2. (Original) The system of claim 1, wherein the representation of the probe 2 is registered with the three dimensional image of the organ or structure inside the 3 body. 1 3. (Original) The system of claim 1, wherein the representation of the probe 2 is registered with the three dimensional image of the organ or structure inside the 3 body using a localization system. 1 4. (Original) The system of claim 1, wherein the organ or structure inside the 2 body is a heart. 1 5. (Original) The system of claim 1, wherein the probe is a catheter. 1 6. (Original) The system of claim 1, wherein the system is an 2 electrophysiology system. 1 7. (Original) The system of claim 1, wherein the image data is acquired prior

to the probe being positioned inside the body.

1	8. (Original) The system of claim 1, wherein the image data is acquired
2	during the image-guided intervention procedure using an internal medical imaging
3	device.
1	9. (Original) The system of claim 1, wherein the system is further configured
2	to display a map of the electrical properties of the organ or structure inside the body.
1	10. (Original) The system of claim 1, wherein the system is further configured
2	to display historical data related to the organ or structure inside the body.
1	11. (Original) The system of claim 1, wherein the system is further configured
2	to display auxiliary data related to an image-guided interventional procedure.
1	12. (Original) The system of claim 1, wherein the display is further
2	configured to display visual navigational information related to an image-guided
3	intervention procedure.
1	13. (Original) The system of claim 1, wherein the three-dimensional display is
2	a spatial three-dimensional display.
1	14. (Original) A system for displaying a three-dimensional image of a heart,
2	the system comprising:
3	a processor configured to be communicatively coupled to a probe;
4	memory coupled to the processor and configured to store image data
5	pertaining to the heart; and
6	a three-dimensional display coupled to the processor and configured to
7	simultaneously display the three-dimensional image of the heart and a representation
8	of the probe.
1	15. (Original) The system of claim 14, wherein the representation of the probe
2	is registered with the three dimensional image of the heart.
1	16. (Original) The system of claim 14, wherein the representation of the probe
2	is registered with the three dimensional image of the heart using a localization system.

1	17. (Original) The system of claim 14, wherein the system is an
2	electrophysiology monitoring system.
1	18. (Original) The system of claim 14, wherein the probe is a catheter
2	configured to collect data representative of the electrical properties of the heart.
2	configured to conect data representative of the electrical properties of the heart.
1	19. (Original) The system of claim 14, wherein the system is further
2	configured to display a map of the electrical properties of the heart.
1	20. (Original) The system of claim 14, wherein the three-dimensional display
2	is a spatial three-dimensional display.
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1	21. Cancelled.
1	22. (Currently Amended) A system for displaying a three-dimensional
2	image of an organ or structure inside the body, the system comprising:
3	a processor configured to be communicatively coupled to a probe, the
4	probe being configured to be located in or adjacent to the organ or structure inside the
5	body and to collect data representative of the electrical properties of the organ or
6	structure inside the body;
7	memory coupled to the processor and configured to store image data
8	pertaining to the organ or structure inside the body; and
9	a three-dimensional display coupled to the processor and configured to
10	display the three-dimensional image and a map of the electrical properties of the
11	organ or structure inside the body, wherein the display is further configured to
12	simultaneously display a representation of the probe, wherein the representation of the
13	probe is registered with the three dimensional image of the organ or structure inside
14	the body.
1	23-28. Cancelled.
1	29. (Original) A system for displaying a three-dimensional image of an organ
2	or structure inside the body, the system comprising:

3	memory configured to store a first set of image data pertaining to the
4	organ or structure inside the body;
5	a processor coupled to the memory and configured to be
6	communicatively coupled to an imaging device and a probe, the
7	imaging device being configured to generate a second set of image
8	data pertaining to the organ or structure inside the body, and the probe
9	being configured to be located in or adjacent to the organ or structure
10	inside the body, the processor further configured to generate the three-
11	dimensional image using the first set of image data and the second set
12	of image data; and
13	a three-dimensional display coupled to the processor and configured to
14	simultaneously display the three-dimensional image and a
15	representation of the probe.
1	30. (Original) The system of claim 29, wherein the system is configured to
2	provide a warning related to an image-guided interventional procedure.
1	31. (Original) The system of claim 29, wherein the system is configured to
2	provide a warning when the first set of image data differs from the second set
3	of image data according to a predetermined criterion.
1	32. (Original) The system of claim 29, wherein the system is configured to
2	determine a first estimate of the location of the probe and a second estimate of
3	the location of the probe and to provide a warning when the first estimate
4	differs from the second estimate according to a predetermined criterion.